

OsmoTRX - Bug #3981

osmo-trx-lms: Overruns appear from time to time

05/07/2019 09:13 AM - pespin

Status: New	Start date: 05/07/2019
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: LimeSDR	
Target version:	
Spec Reference:	
Description It was spotted that from time to time osmo-trx-lms tends to not provide data quick enough and some samples are lost. It should be investigated why that happens and find some way to fix this behavior. Those overruns appear despite rt-prio being enabled (#3971), so let's track this issue here in a separate ticket. Thanks to fix from #3339 , now this kind of overruns are not fatal and osmo-trx sends garbage during those lost samples, but still it's not fine to run into this situation. This kind of overrun has been seen on high end laptops. It could be related to PM or other processes disturbing the scheduler. It has also been said that it may be related to USB controllers being used. It could be that we don't see this anymore once we can use rt-prio with LMS (#3971).	
Related issues: Related to OsmoTRX - Bug #3339: osmo-trx-lms "expect ... got ... diff ff0" er... Resolved 06/13/2018	

History

#2 - 05/07/2019 09:13 AM - pespin

- Related to Bug #3339: osmo-trx-lms "expect ... got ... diff ff0" error message added

#3 - 07/18/2019 05:12 AM - laforge

- Assignee changed from sysmocom to pespin

#4 - 07/30/2019 04:17 PM - pespin

There was an announcement in <https://github.com/myriadrf/LimeSuite/issues/265> were basically developers from LimeSuite state that "overrun" stat from LimeSuite API during readSamples() was always 0 before some recent change. That means 19.04.1 still contains the bug, and my bet: it was probably fixed in LimeSuite.git 6d34cebbb6f1dad20090c52983924f7c4b0a4acf.

So I'd go for using either master as of today (64bb2b89963ac48706e7990d1f3b60bf65fd5d33), which may provide better feedback on the scenarios related to this ticket.

#5 - 09/30/2020 08:08 PM - laforge

- Assignee deleted (pespin)